Introduction

Noise pollution has become a pressing concern in urban areas, impacting the quality of life for millions. This

section provides an overview of noise pollution, its effects on health and well-being, and the objective of this

document: to propose an innovative solution that leverages data analytics for tackling this issue.

Limitation of traditional methods

There are drawbacks to the traditional approaches to noise control, such as insulation and sound barriers. This section examines their flaws and the difficulties in putting into practise practical noise reduction strategies

PHASE 2: INNOVATION

Learn how data analytics may be used to pinpoint noise reduction strategies, detect noise patterns, and evaluate their effects.

Discover the different approaches and tools used for data gathering and processing, from machine learning algorithms to Internet of Things sensors.

Find out how data analytics may be included into current noise reduction programmes and plans to increase the likelihood of successful long-term implementation.

We will be using the ESP32 micro controller as well as Ardiuno UNO microcontroller as both these useful in our project.

Sensor we are going to use is decibel meter.

Cloud we are using is GCP-Google cloud platform.

Protocol is MQTT.HTTP,AMQP.

Connectibity is BLE.ZIGBEE,WIFI.

Public platform is mobile app